



State of Utah

SPENCER J. COX
Governor

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Lieutenant Governor

Department of
Environmental Quality

Tim Davis
Interim Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN141800013-25

March 11, 2025

Charlie Hill
eBay Inc.
6614 West Crimson View Drive
South Jordan, UT 84095
charlhill@ebay.com

Dear Mr. Hill:

Re: Approval Order: Administrative Amendment to Approval Order DAQE-AN141800011-21 to
Update Operational Hours and the Equipment List
Project Number: N141800013

The attached Approval Order (AO) is issued pursuant to the Notice of Intent (NOI) received on July 27, 2023. eBay Inc. must comply with the requirements of this AO, all applicable state requirements (R307), and Federal Standards.

The project engineer for this action is **John Jenks**, who can be contacted at (385) 306-6510 or jjenks@utah.gov. Future correspondence on this AO should include the engineer's name as well as the DAQE number shown on the upper right-hand corner of this letter.

Sincerely,

Bryce C. Bird
Director

BCB:JJ:jg

cc: Salt Lake County Health Department

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

APPROVAL ORDER
DAQE-AN141800013-25
Administrative Amendment to Approval Order
DAQE-AN141800011-21 to Update Operational Hours and
the Equipment List

Prepared By
John Jenks, Engineer
(385) 306-6510
jjenks@utah.gov

Issued to
eBay Inc.- SLC Data Center

Issued On
March 11, 2025

Issued By

A handwritten signature in dark ink, appearing to read 'Bryce C. Bird', with a stylized flourish at the end.

Bryce C. Bird
Director
Division of Air Quality

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GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name

eBay Inc.

Source Name

eBay Inc. - SLC Data Center

Mailing Address

6614 West Crimson View Drive
South Jordan, UT 84095

Physical Address

6614 West Crimson View Drive
South Jordan, UT 84095

Source Contact

Name: Charlie Hill
Phone: (480) 217-8872
Email: charlhill@ebay.com

UTM Coordinates

411,299 m Easting
4,490,858 m Northing
Datum NAD83
UTM Zone 12

SIC code

7374 (Computer Processing & Data Preparation & Processing Services)

SOURCE INFORMATION

General Description

eBay SLC Data Center (eBay) is a computer data center located in South Jordan. The facility consists of diesel-fired emergency backup generators that provide electricity to the facility's data servers and backup storage devices in the event of an emergency, diesel-powered fire pump engines, and cooling towers.

NSR Classification

Administrative Amendment

Source Classification

Located in Salt Lake City UT PM_{2.5} NAA, Salt Lake County SO₂ NAA
Salt Lake County
Airs Source Size: SM

Applicable Federal Standards

NSPS (Part 60), A: General Provisions
NSPS (Part 60), IIII: Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
MACT (Part 63), A: General Provisions
MACT (Part 63), ZZZZ: National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Project Description

eBay has submitted an NOI to update the operational hours of several diesel-fired generators, relocate two (2) generators, remove two (2) diesel-fired emergency generators, and remove the Bloom Energy Servers from the equipment list. These updates will reduce the PTE of the facility below the 50 TPY major source threshold under the ozone non-attainment area reclassification.

SUMMARY OF EMISSIONS

The emissions listed below are an estimate of the total potential emissions from the source. Some rounding of emissions is possible.

Criteria Pollutant	Change (TPY)	Total (TPY)
CO ₂ Equivalent	-38824	3670.00
Carbon Monoxide	-2.11	6.68
Nitrogen Oxides	-9.02	45.55
Particulate Matter - PM ₁₀	0.28	2.94
Particulate Matter - PM _{2.5}	-1.96	0.66
Sulfur Oxides	-0.06	0.06
Volatile Organic Compounds	-0.31	1.44

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
Benzene (Including Benzene From Gasoline) (CAS #71432)		10
Generic HAPs (CAS #GHAPS)	-180	60
	Change (TPY)	Total (TPY)
Total HAPs	-0.08	0.04

SECTION I: GENERAL PROVISIONS

I.1	All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC R307 and 40 CFR. Unless noted otherwise, references cited in these AO conditions refer to those rules. [R307-101]
I.2	The limits set forth in this AO shall not be exceeded without prior approval. [R307-401]
I.3	Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved. [R307-401-1]
I.4	All records referenced in this AO or in other applicable rules, which are required to be kept by the owner/operator, shall be made available to the Director or Director's representative upon request, and the records shall include the two-year period prior to the date of the request. Unless otherwise specified in this AO or in other applicable state and federal rules, records shall be kept for a minimum of two (2) years. [R307-401-8]

I.5	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded. [R307-401-4]
I.6	The owner/operator shall comply with UAC R307-107. General Requirements: Breakdowns. [R307-107]
I.7	The owner/operator shall comply with UAC R307-150 Series. Emission Inventories. [R307-150]

SECTION II: PERMITTED EQUIPMENT

II.A THE APPROVED EQUIPMENT

II.A.1	Data Center Computer data center
II.A.2	Cooling Tower Plants (2) 1) 35 MW cooling capacity 2) 6 MW cooling capacity
II.A.3	Fire System Pump Engines (2) FP1: Manufacturer: Caterpillar Rating: 100 kW Fuel: Diesel FP2: Manufacturer: John Deere Rating: 64 kW Fuel: Diesel
II.A.4	Emergency Generator Engines - SLC01 Manufacturer: Detroit Diesel Fuel: Diesel G1 rating 3.25 MW G2 rating 3.25 MW G3 rating 3.25 MW G4 rating 3.25 MW G5 rating 3.25 MW G6 rating 3.25 MW G7 rating 3.25 MW

II.A.5	Emergency Generator Engines - SLC02 Manufacturer: Caterpillar Type: Tier 2 or better Fuel: Diesel G8 rating 3.1 MW G9 rating 3.0 MW G10 rating 3.0 MW G11 rating 3.0 MW G12 rating 3.0 MW G13 rating 3.0 MW G14 rating 3.0 MW G24 rating 2.5 MW G25 rating 2.5 MW
II.A.6	Emergency Generator Engines - SLC03 Manufacturer: Caterpillar Type: Tier 2 or better with manufacturer year October 2016 or newer Fuel: Diesel G15 rating 2.0 MW G16 rating 2.0 MW G17 rating 1.5 MW G18 rating 1.5 MW G19 rating 2.0 MW G20 rating 2.0 MW G21 rating 2.0 MW G22 rating 2.0 MW G23 rating 1.0 MW G26 rating 2.0 MW G27 rating 2.0 MW G28 rating 2.0 MW G29 rating 2.0 MW G32 rating 750 kW G33 rating 750 kW

SECTION II: SPECIAL PROVISIONS

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	Source-Wide Requirements
II.B.1.a	Visible emissions from any stationary point associated with the source or with the control facilities shall not exceed 20% opacity. [R307-305-3, R307-401-8]
II.B.1.a.1	Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9. [R307-305-5]

II.B.2	Emergency Generator Engine Requirements
II.B.2.a	The owner/operator shall not operate each emergency engine beyond the hours listed below for non-emergency purposes. There is no time limit on the use of the engines during emergencies. Engines G01-G14, G17-29, and G32-33 - 60 hours per calendar year All other engines - 100 hours per calendar year. [40 CFR 60 Subpart ZZZZ, R307-401-8]
II.B.2.b	For the emergency generator engines, operations during engine operator training, engine maintenance, and engine compliance testing (OMT operations) shall be conducted as follows: 1) All engine compliance testing shall be conducted as outlined in 40 CFR 60 Subpart IIII or 40 CFR 63 Subpart ZZZZ as appropriate. 2) Testing of up to four (4) generators at the same time may occur once per month from 8 am to 6 pm for 30 minutes. 3) In addition to monthly OMT operation, each generator may be tested for one (1) hour once per calendar year from 8 am to 6 pm. These restrictions do not apply to the fire pump engines (II.A.3). [R307-401-8]
II.B.2.c	A non-resettable hour meter shall be installed and operational on all engines. [R307-401-8, 40 CFR 63 Subpart ZZZZ]
II.B.2.d	To determine compliance with the calendar year total, the owner/operator shall calculate a monthly total by the 20th day of each month. The sum of these monthly totals from January through December of any given year, inclusive, shall constitute the calendar year total. Records documenting the operation of each emergency engine shall be kept in a log and shall include the following: A. The date the emergency engine was used. B. The duration of operation in hours. C. The reason for the emergency engine usage. [40 CFR 60 Subpart ZZZZ, R307-401-8]
II.B.2.e	The owner/operator shall only use diesel fuel (fuel oil #1, #2, or diesel fuel oil additives) in any emergency generator engines located on site. All diesel burned shall meet the definition of ultra-low sulfur diesel (ULSD) and contain no more than 15 ppm sulfur. [40 CFR 60 Subpart IIII]
II.B.2.e.1	To demonstrate compliance with the ULSD fuel requirement, the owner/operator shall maintain records of diesel fuel purchase invoices or obtain certification of sulfur content from the diesel fuel supplier. The diesel fuel purchase invoices shall indicate that the diesel fuel meets the ULSD requirements. [R307-401-8]

PERMIT HISTORY

This Approval Order shall supersede (if a modification) or will be based on the following documents:

Supersedes
Is Derived From
Incorporates

AO DAQE-AN141800011-21 dated January 7, 2021
NOI dated July 27, 2023
Additional Information dated November 21, 2024

ACRONYMS

The following lists commonly used acronyms and associated translations as they apply to this document:

40 CFR	Title 40 of the Code of Federal Regulations
AO	Approval Order
BACT	Best Available Control Technology
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CDS	Classification Data System (used by Environmental Protection Agency to classify sources by size/type)
CEM	Continuous emissions monitor
CEMS	Continuous emissions monitoring system
CFR	Code of Federal Regulations
CMS	Continuous monitoring system
CO	Carbon monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent - Title 40 of the Code of Federal Regulations Part 98, Subpart A, Table A-1
COM	Continuous opacity monitor
DAQ/UDAQ	Division of Air Quality
DAQE	This is a document tracking code for internal Division of Air Quality use
EPA	Environmental Protection Agency
FDCP	Fugitive dust control plan
GHG	Greenhouse Gas(es) - Title 40 of the Code of Federal Regulations 52.21 (b)(49)(i)
GWP	Global Warming Potential - Title 40 of the Code of Federal Regulations Part 86.1818-12(a)
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
LB/YR	Pounds per year
MACT	Maximum Achievable Control Technology
MMBTU	Million British Thermal Units
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO _x	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM ₁₀	Particulate matter less than 10 microns in size
PM _{2.5}	Particulate matter less than 2.5 microns in size
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
R307	Rules Series 307
R307-401	Rules Series 307 - Section 401
SO ₂	Sulfur dioxide
Title IV	Title IV of the Clean Air Act
Title V	Title V of the Clean Air Act
TPY	Tons per year
UAC	Utah Administrative Code
VOC	Volatile organic compounds